

STRUCTURE, PRODUCTION AND USE OF HEREGULIN 2

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Abstract of the Disclosure

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Novel 2 polypeptides with binding affinity for the p185HER2 receptor, designated heregulin 2- α and heregulin 2- β , have been identified and purified from human tissue. The cDNA encoding the novel heregulin 2- α has been isolated from human tissue and sequenced. Provided herein is nucleic acid sequence of the heregulin 2- α useful in the production of heregulin 2- α by recombinant means. Further provided an amino acid sequence of heregulin 2- α and heregulin 2- β . Heregulins and their antibodies are useful as therapeutic agents and in diagnostic methods.